

## **M.S. Students of Faculty Members in the Department of Environmental Science and Biology, and their Post-Graduate Situations**

### ***In Progress***

- Abbett, Ross (B.S. 2005). Suitability of Sandy Creek, Monroe County, New York as reproductive and nursery habitat for salmon and trout. (Haynes)
- Alexander, Amanda (B.S. 2006). Changes in fish and coral communities near San Salvador, the Bahamas, during colonization by the Indo-Pacific lionfish. (Haynes)
- Conboy, Ian. The potential of a tidal estuary on San Salvador, the Bahamas, as nursery habitat for juvenile reef fishes. (Haynes)
- Crockett, Timothy. Habitat and landscape ecology of Blanding's turtle in New York. Biologist, U.S. Army Corps of Engineers, Buffalo, NY (Norment)
- Driscoll, Linda. (Makarewicz)
- Fowler, Timothy. Habitat preference and niche breadth of butterflies at Rice Creek Field Station, Oswego, NY. (Haynes and Weber)
- Guenther, William. Evaluation of microcystin toxin in fish muscle from Lake Neatahwanta, Oswego, NY. (Makarewicz)
- Herbert, Patrick (B.S. 2006). Success of walleye stocking in the Buffalo River, and comparing the fish communities in 1981 and 2006. (Haynes)
- Jonahson, Mananjo. Movements and habitat preferences of stocked juvenile lake sturgeon in the lower Genesee River. (Makarewicz)
- Klees, Kristina. Habitat selection of shrubland birds in the Great Lakes Plains Region of New York State: Implications for conservation and management. (Norment)
- Morgan, Michael. A comparison of nest monitoring and a reproductive index as methods for estimating the productivity of grassland birds. Field biologist, Audubon New York, Ithaca, NY. (Norment)
- Wasson, Sarah. Pharmaceuticals and personal care products in western Lake Ontario and surrounding watersheds. (Makarewicz)
- Wells, Scott. Status of the longear sunfish in western New York. (Haynes)

### ***Completed***

- ENV-MS-0082. Chalupnicki, Marc (B.S. 2003). 2006. Assessing industrial contamination of Brockport Creek. Biologist, U.S. Fish and Wildlife Service, Cortland, NY. (Haynes)
- ENV-MS-0081. White, Daniel (B.S. 2002). 2006. Phosphorus cycling in the sediments of Irondequoit Bay. (Makarewicz)
- ENV-MS-0080. Windig, Saskia. 2006. Influence of nest concealment and distance to habitat edge on depredation rates of simulated grassland bird nests at Iroquois National Wildlife Refuge. (Norment)
- ENV-MS-0079. Porter, David. 2006. Comparison of created and natural wetlands as wildlife habitat. High school science teacher, Victor, NY. (Norment)
- ENV-MS-0078. DiSalvo, Benjamin (B.S. 2000). 2006. Colonization and persistence of the freshwater amphipod, *Crangonyx pseudogracilis*, in temporary ponds: Aspects of its ecology, resistance to desiccation, and the dispersal abilities of it and other invertebrates

- in the community. Production Chemist, Water Services Division, City of Phoenix, AZ (Norment and Haynes)
- ENV-MS-0077. Wellman, Sara. 2006. Mink of the Rochester Embayment of Lake Ontario: Population monitoring; age, size, and stable isotope analysis; and a predictive model for bioaccumulation of chemicals of concern. (Haynes)
- ENV-MS-0076. McCabe, Brendan. 2006. Lipid stores in migratory White-throated Sparrows. Adjunct lecturer, Genesee Community College. (Norment)
- ENV-MS-0072. Unckless, Robert. 2006. The impact of nutrient loading from Canada Geese (*Branta canadensis*) on water quality in inland lakes and ponds. (Makarewicz)
- ENV-MS-0075. Gardner, Amy. 2006. Evaluation of the basis and effectiveness of habitat assessments in wetland functional assessment methods. (Hunter and Norment)
- ENV-MS-0074. Lincoln, Timothy. 2006. Cloning and sequencing of a partial CYP1A gene in creek chub (*Semotilus atromaculatus*): The first step in the development of a biomarker of exposure to AhR ligands. Middle school science teacher, Medina, NY (Haynes)
- ENV-MS-0073. Lazazzero, Sarah. 2006. A multi-scale analysis of grassland bird habitat relations in the St. Lawrence River Valley, New York. (Norment)
- ENV-MS-0072. Schultz, Susan. 2005. An examination of water quality and landscape features of natural and created wetlands. (Norment)
- ENV-MS-0071. Foust, John. 2005. Walleye life history, spawning habitat and spawning success in Honeoye Lake. Fisheries technician, Finger Lakes Community College, Canandaigua, NY. (Haynes)
- ENV-MS-0070. Somarelli, Jason. 2005. Ph.D. program in biology, Florida Atlantic University, Miami, FL. (Makarewicz)
- ENV-MS-0069. Richardson, Hilary. 2004. Instructional Support Associate, SUNY Brockport. (Makarewicz)
- ENV-MS-0068. Bland, Stephen. 2002. (B.S. 1997). Causes of moss distribution in Allegany primary order streams. Ph.D. program in ecology, University of Alabama. Water quality analyst, Monroe County Pure Waters Dept., Rochester, NY (Makarewicz)
- ENV-MS-0067. Hughes, Thomas. 2002. Lake sturgeon ecology in the Niagara River. Fishery technician, NYS Department of Environmental Conservation, Stony Brook, NY; Aquatic environmental educator, Cornell Cooperative Extension, Stony Brook, NY; Ph.D. program in fisheries, SUNY College of Environmental Science and Forestry, Syracuse, NY. (Haynes)
- ENV-MS-0066. Krebs, Robin. 2002. Assessment of breeding status of, and human impact on, Henslow's Sparrows (*Ammodramus henslowii*) at Fort Drum Military Reservation, NY. Environmental educator, Cornell Cooperative Extension, Genesee County, NY. (Norment)
- ENV-MS-0065. Parnell, Nicholas. 2002. (B.S. 1998). Developing an Index of Biotic Integrity based on fish assemblages in small lakes in central and western New York. Senior fisheries biologist, Mote Marine Laboratory, Sarasota, FL; Ph.D. program in ecology, Georgia Tech, Atlanta, GA. (Haynes)
- ENV-MS-0064. Rhyne, Randall. 2002. (B.S. 1999). Sampling and statistical considerations for stream invertebrate indices. Middle School science and math teacher, Fayetteville, NC (Haynes)
- ENV-MS-0063. Roosa, Brian. 2002. Causes and consequences of patchy spatial distribution in male and female fairy shrimp, *Eubbranchipus budyi*. Instructional Support Associate, SUNY Brockport; Aquaculture specialist, Virginia State University, Petersburg, VA (Harris)

- ENV-MS-0062. Terninko, John. 2002. Watershed management plan for Wayne County. Watershed management plan consultant and programs director, Center for Environmental Information, Rochester, NY (Makarewicz)
- ENV-MS-0061. Walter, Ryan. 2002. (B.S. 2000). Association of reef fish and coral communities near San Salvador, Bahamas. Instructor, Monroe Community College, Rochester, NY; Ph.D. program in tropical fish ecology, University of Windsor, Canada (Haynes)
- ENV-MS-0060. Arnold, Mary. 2001. Paleolimnological analysis of Sodus Bay. Plankton consultant, Rochester, NY (Makarewicz)
- ENV-MS-0059. Bailey-Billhardt, Nichelle. 2001. (B.S., 1995). Ecological indicators of water quality in Irondequoit Creek. Director, Orleans Co. Soil & Water Conservation District, Albion, NY; Technician, U.S. Natural Resources Conservation Service, Watertown, NY (Haynes)
- ENV-MS-0058. Smith, Susan. 2001. Migratory activity and physiological condition of migrant landbirds during spring migration along the south shore of Lake Ontario. Ph.D. program in avian physiology, University of Rhode Island. (Norment)
- ENV-MS-0057. Balent, Karla. 2000. Spatial structure of a Grasshopper Sparrow population in Mendon Ponds, New York. Homemaker, TN (Norment)
- ENV-MS-0056. Burke, Brian. 2000. Habitat suitability comparisons for creek and hornyhead chubs. (Haynes)
- ENV-MS-0055. Robinson, Judy. 2000. Follow-up vegetation and avifaunal surveys on wetlands restored through the U.S. Fish and Wildlife Service Partners for Wildlife Program, Virginia Dept. of Environmental Quality; U.S. Army Corps of Engineers, Buffalo, NY. (Norment)
- ENV-MS-0054. Cook, George. 1998. Chironomids as indicators of water quality in Irondequoit Creek. Benthic macroinvertebrate consultant, Rochester, NY (Haynes)
- ENV-MS-0053. Lowie, Christopher. 1998. (B.S. 1991). Habitat requirements of stream spawning walleye. U.S. Fish and Wildlife Service fishery biologist, Cortland and Buffalo, NY; USFWS anadromous fish passage coordinator, Washington, DC. (Haynes)
- ENV-MS-0052. Jones, Gregory. 1997. Stopover of neotropical and temperate landbird migrants on the south shore of Lake Ontario. Ph.D., Wildlife Ecology, University of Florida; Assistant Professor, Santa Fe Community College, Gainesville, FL (Norment)
- ENV-MS-0051. Lampman, Gregory. 1997. (B.S. 1994). Trophic interactions in Lake Ontario: the zooplankton-phytoplankton link. Research associate, Institute for Ecosystem Studies, Millbrook, NY; Electric (Makarewicz)
- ENV-MS-0050. Mengel, Gordon. 1997. Potential and success of walleye spawning in the Salmon River, Tyendinaga Territory, Ontario, Canada. Aquaculture Liaison Director, U.S. Department of Agriculture, Washington, DC. (Buttner)
- ENV-MS-0049. Weaver, Kenneth. 1997. Zooplankton beta diversity within a Great Lakes coastal wetland. Biologist, Florida Department of Environmental Protection - Everglades. (Makarewicz)
- ENV-MS-0048. Ardizzone, Charles. 1996. Grassland bird ecology in western New York. 1. Experimental analysis of nest predation in a New York grassland: effects of habitat and nest distribution. 2. Habitat selection. Ph.D, Texas A&M University; Biologist, U.S. Fish and Wildlife Service, Anchorage AK. (Norment)
- ENV-MS-0047. Cady, Bruce. 1996. The effects of zooplankton grazing and nutrients on the phytoplankton of Conesus Lake, NY. (Makarewicz)

- ENV-MS-0046. Cloen, Carol. 1996. (B.S. 1994). Ultraviolet-B penetration in the water column and its effect on the American toad, *Bufo americanus*. Aquatic Resource Manager for the South Puget Sound Region, Washington Department of Ecology. (Makarewicz)
- ENV-MS-0045. Nale, Helen. 1996. Benthic macroinvertebrates of Sandy Creek: characterization and use in water quality analysis. High school biology teacher, Rush-Henrietta, NY. (Makarewicz)
- ENV-MS-0044. Roberts, Christopher. 1996. The effects of habitat fragmentation on the breeding success of Scarlet Tanagers. Biology intern, U.S. Department of Interior, Bureau of Land Management, western US; Nature Conservancy, TN. (Norment)
- ENV-MS-0043. Tangorra, Philip. 1996. Sediment chemistry of Irondequoit Bay, NY. Laboratory technician, Monroe Co. Dept. of Pure Waters, Rochester, NY. (Makarewicz)
- ENV-MS-0042. Joule, Stephen. 1995. (B.S. 1990). Amphibians of Iroquois National Wildlife refuge: an assessment of community composition and heavy metal contamination. Wildlife biologist, U.S. Department of Defense, Watertown, NY. (Norment)
- ENV-MS-0041. Merner, Mary. 1995. Trends in mirex residue in Lake Ontario salmon: 1992 to 1997. Water quality chemist, Monroe Co. Dept. of Pure Waters, Rochester, NY. (Makarewicz)
- ENV-MS-0040. Verna, Anthony. 1995. The paleolimnology of Irondequoit Bay: trophic history inferred from sedimentary diatom assemblages. (Makarewicz)
- ENV-MS-0039. Brooks, Anna. 1994. (B.S. 1991). Levels of mirex and photomirex in breast milk. Senior chemist, Monroe County Environmental Health Lab. (Makarewicz)
- ENV-MS-0038. Burz, Judy. 1994. Culture of yellow perch in recirculating systems. Biology teacher, Brockport, NY (Buttner)
- ENV-MS-0037. Crego, Gregory. 1994. (B.S. 1991). Effects of alewife predation on zooplankton community structure in Honeoye and Conesus Lakes. Ph.D. program in marine ecology, University of Mississippi. (Makarewicz)
- ENV-MS-0036. Miller, Steven. 1994. An analysis of factors potentially limiting the abundance of the zebra mussel in Salmon Creek, Monroe County, New York. Regulatory analyst/fishery technician, NY Dept. Environmental Conservation, Avon, NY; Regular analyst, NYDEC, Buffalo, NY. (Haynes)
- ENV-MS-0035. Brown, Gary. 1993. (B.S. 1990). Investigation of generalized watershed loading function predictions on Sodus East Creek watershed. Senior biologist, Monroe County Environmental Health Lab. (Makarewicz)
- ENV-MS-0034. Holloway, Linda. 1993. Culture of black bullhead in cages and open ponds. (Buttner)
- ENV-MS-0033. Malloy-Desormeau, Eileen. 1993. Trophic interactions: the relative importance of *Dreissena* filtration and *Daphnia* grazing on phytoplankton abundance and water clarity. Biology teacher, Hilton, NY. (Makarewicz)
- ENV-MS-0032. Stewart, Timothy. 1993. Benthic macroinvertebrate community changes following zebra mussel colonization of southwestern Lake Ontario. Ph. D, Bowling Green State University, OH. Assistant Professor, Department of Natural Sciences, Longwood College, Farmville, VA. Research Professor, Iowa State University, Ames, IA. (Haynes)
- ENV-MS-0031. Aultman, Dana. 1992. Spring thermal fronts and salmonine distributions in Lake Ontario. Statistician, Eastman Kodak Co. (Haynes)
- ENV-MS-0030. Letson, Michael. 1991. (B.S. 1988). An experimental test of the crayfish as a

- control mechanism for submerged aquatic macrophytes. Technical specialist, Ecology & Environment Corp., Buffalo, NY and Tallahassee, FL. (Makarewicz)
- ENV-MS-0029. Murray, Michael. 1991. Residues of mirex and photomirex in eggs and fillets of Lake Ontario coho and chinook salmon. Analytical Laboratory, Buffalo, NY (Makarewicz)
- ENV-MS-0028. Puckett, Norma. 1990. Trophic interactions and alewife predation in Conesus Lake. Laboratory technician, Monroe Co. Dept. of Pure Waters, Rochester, NY. (Makarewicz)
- ENV-MS-0027. Renyaan, Samuel. 1990. Effect of temperature on survival, growth and feed conversion of black bullhead. Professor of Biology in Indonesia. (Buttner)
- ENV-MS-0026. Duda, Stephen. 1989. Controlled spawning of laboratory reared fathead minnows and effect of different diets on survival and growth of fry. Environmental scientist, Versar Corporation, Washington, DC. (Buttner)
- ENV-MS-0025. Koapaha, Joutje. 1989. *Leptodora kindtii*: seasonal population abundance and food web interactions in Lake Ontario. Ph.D program in marine science, Nova University Ft. Lauderdale, FL. Teaching at the college level in Indonesia. (Makarewicz)
- ENV-MS-0024. Teal, Gregory. 1989. (B.S., 1986). Nutrient loadings into Conesus Lake. Quality control chemist, Columbia Analytical Services, Rochester, NY. (Makarewicz)
- ENV-MS-0023. Fry, Barry. 1988. Alpha and PBM as functional indicators of aquatic ecosystems. Environmental scientist/manager, Columbia Analytical Services, Rochester, NY. (Makarewicz)
- ENV-MS-0022. Kuss, Sarah. 1988. Effect of fertilization rate and zooplankton inoculation on zooplankton populations in earthen ponds without fish. Field biologist, Cornell University, Eagle Bay, New York (Buttner)
- ENV-MS-0021. Firstencel, Heidi. 1987. The black tern: breeding ecology in upstate New York and results of pesticide residue analyses. Laboratory of Ornithology, Cornell University, Ithaca, NY; U.S. Army Corps of Engineers, Albany, NY. (Makarewicz)
- ENV-MS-0020. DeVault, David, III. 1987. (B.S., 1980). Effects of wind stress, wind speed and direction on phytoplankton abundance in the nearshore zone of Lake Michigan. Coordinator, Great Lakes Fish Monitoring, Great Lakes National Program Office, US EPA, Chicago, Illinois.
- ENV-MS-0019. Gerber, Glenn. 1987. Movements and behavior of smallmouth bass and rock bass in southcentral Lake Ontario and two tributaries. Ph.D, Vertebrate Behavior, University of Tennessee; Endangered Species (Herpetofauna) Coordinator, San Diego Zoo. (Haynes)
- ENV-MS-0018. Lewis, Theodore. 1987. Exchange of mirex between Lake Ontario and its tributaries. Research scientist, SUNY College at Brockport. (Makarewicz)
- ENV-MS-0017. Shea, Mary. 1987. *Mysis relicta*: production, vertical migration and life history of the Lake Ontario population. Laboratory manager, Wastewater Treatment Plant, Batavia, NY. (Makarewicz)
- ENV-MS-0016. Poulin, Kathleen. 1985. A review and evaluation of regulatory, design and environmental impact considerations for Great Lakes recreation development. Environmental regulations specialist, Architectural and Engineering firm, Providence, RI. (Haynes)
- ENV-MS-0015. Kent, Brian. 1984. (B.S. 1982). Mirex and its metabolites: trends in levels of Lake Ontario salmon. Chemical process development specialist, General Electric Co., Schenectady, NY. (Makarewicz)

- ENV-MS-0014. Leupold, Maureen. 1983. Blue-green algal mats from acidified lakes: mat structure and pH response of algal isolates. Professor, Genesee Community College, Batavia, NY. (Makarewicz)
- ENV-MS-0013. Nettles, David. 1983. (B.S., 1980). Ecology of Lake Ontario brown trout. Assistant Professor, Paul Smith's College, NY; Atlantic salmon recovery coordinator for Lake Champlain, U.S. Fish and Wildlife Service, Raybrook, NY. (Haynes)
- ENV-MS-0012. Schreffler, Andrew. 1983. Honey bee physiology and ecology. Forest insect research, Florida State University. (Southwick)
- ENV-MS-0011. McKellar, Dorothy. 1982. Growth response of *Anacystis nidulans* to sodium, phosphate and potassium. Environmental scientist, Stone & Webster Engineering Co., Boston, MA. (Makarewicz)
- ENV-MS-0010. Mellas, Ernest. 1982. Effect of dummy telemetry transmitter attachments on swimming performance and behavior of rainbow trout and white perch. High school biology teacher, Charlotte, NY; Professor of Biology, Monroe Community College, Rochester, NY. (Haynes)
- ENV-MS-0009. Pesecreta, George. 1982. A reexamination of stratification processes in Ides Cove, NY, with reference to sediment geochemistry. Ph.D, University of North Carolina. President, Pesacreta Consultants. Chapel Hill, NC. (Makarewicz)
- ENV-MS-0008. Calaban, Michael. 1981. (B.S., 1979). The effect of temperature and density on the amplitude of vertical migration of *Daphnia magna*. NY Department of Environmental Conservation. (Makarewicz)
- ENV-MS-0007. McCormack, Charles. 1980. Stamina and feeding responses of rainbow trout fitted with dummy biotelemetry devices. (Haynes)
- ENV-MS-0006. Insalaco, Samuel. 1979. (B.S., 1976). Routine determination of mirex and photomirex in fish tissue in the presence of polychlorinated hydrocarbons. Vice-President, O.H. Materials, Findley, Ohio. (Makarewicz)
- ENV-MS-0005. Amering, Alan. 1978. An organic energy budget for the New York State Barge Canal. Scientist, Eastman Kodak Co. (Makarewicz)
- ENV-MS-0004. Roarabaugh, Doyle. 1977. The role of autochthonous production in the formation of dissolved and particulate organics in laboratory streams. Environmental Biologist, Institute of Paper Chemistry, Appleton, WI. (Makarewicz)
- ENV-MS-0003. Robb, Arthur. 1977. A survey of selected heavy metals in fish and water of the New York State Barge and Cayuga-Seneca Canals. Water quality analyst, Michael Baker Assoc., Beaver, PA. (Haines)
- ENV-MS-0002. Mansky, James. 1976. Title unknown. Field biologist, U.S. Army Corps of Engineers, Buffalo, NY. (Haines)
- ENV-MS-0001. Stoss, Fred. 1974. Effects of toluene on the ontogenetic development of the fish, *Oryzias latipes*, the Japanese medaka. Librarian, Oak Ridge National Laboratory Global Warming Library, Oak Ridge, TN. (Haines)